

**R O M A N I A**  
**MINISTRY OF NATIONAL DEFENCE**  
**“NICOLAE BĂLCESCU” LAND FORCES ACADEMY**



**THE KNOWLEDGE-BASED  
ORGANIZATION**  
**THE 16<sup>TH</sup> INTERNATIONAL CONFERENCE**

***PROGRAMME***

**SIBIU**

***25-27 November 2010***

 **“Nicolae Bălcescu” Land Forces Academy Publishing House**



# CONFERENCE PROGRAMME

## **25 November**

15.00-22.00 – Registration (at the Land Forces Academy,  
3-5 Revoluției Street, Sibiu)

19.00-21.00 – Cocktail

## **26 November**

07.30-08.30 – Breakfast (on charge)

08.45-09.00 – Flag raising ceremony

09.15-09.45 – Official opening in the Auditorium

– keynote speeches

– Rector's welcoming and opening message

10.00-14.00 – Paper Presentations on Sections

14.00-15.30 – Lunch (free of charge)

15.45-18.00 – Paper Presentations on Sections

18.00-19.00 – Leisure activities

19.00-22.00 – Official dinner

## **27 November**

09.00-10.00 – Breakfast (on charge)

09.00-13.00 – Leisure activities

13.00 – Departure

# INTERNATIONAL SCIENTIFIC COMMITTEE

## HONORARY CHAIRMAN:

*MG Dan GHICA-RADU, PhD* (Chief of the Land Forces Staff)

## CHAIRMAN:

*COL Prof. Benoni SFÂRLOG, PhD* (Rector of the Land Forces Academy, Sibiu)

## VICE – CHAIRMEN:

*LTG Prof. Teodor FRUNZETI, PhD* (NDU, Bucharest)

*Prof. Eugène Van ITTERBEEK, PhD* (Belgium)

*Prof. Gunter Frank HELMAR, PhD* (Germany)

*Prof. Liviu Alexandru SOFONEA, PhD* (LBU Sibiu)

*LTC Prof.Eng. Ghiță BÂRSAN, PhD* (LFA, Sibiu)

## MEMBERS:

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*COL Assoc.Prof. Pavel NECAS, PhD* (Slovak Republic)

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*COL Prof. Robert SZABOLCSI, PhD* (Hungary)

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*Prof. Aleksander MIKHAYLOV, PhD* (Ukraine)

*Prof. Reinhard FÖSSMEIER, PhD* (San Marino)

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*Assoc.Prof. Sevdalina DIMITROVA, PhD (Bulgaria)*  
*Prof. Gunter LOBIN, PhD (Germania)*  
*LTG Prof. Sorin IOAN, PhD (Romania)*  
*COL Prof. Alexandru RIZESCU, PhD (LFA, Sibiu)*  
*COL Prof. Mihai NEAG, PhD (LFA, Sibiu)*  
*COL Prof.Eng. Cristian BARBU, PhD (MTA, Bucharest)*  
*LTC Assoc.Prof. Leontin STANCIU, PhD (LFA, Sibiu)*  
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*CDR Prof. Gheorghe SAMOILESCU, PhD (MBNA, Constanța)*  
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*LTC Assoc.Prof.Eng. Dănuț MOȘTEANU, PhD (LFA, Sibiu)*  
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*Prof. Tatiana MOȘTEANU, PhD (ESA Bucharest)*  
*Assoc.Prof.Eng. Luminița GIURGIU, PhD (LFA, Sibiu)*  
*Prof.Eng. Vasile NĂSTĂSESCU, PhD (MTA, Bucharest)*  
*Prof.Eng. Doina Frunzăverde, PhD (EMU Reșița)*  
*Assoc.Prof. Simona MICLĂUȘ, PhD (LFA, Sibiu)*  
*Prof.Eng. Claudiu KIFOR, PhD (LBU, Sibiu)*  
*Prof. Luigi DUMITRESCU, PhD (LBU, Sibiu)*  
*Assoc.Prof. Marioara PATEȘAN, PhD (LFA, Sibiu)*  
*Prof.Eng. Nicolae GEORGESCU, PhD (AMU, Sibiu)*  
*Prof. Mircea COSMA, PhD (AMU, Sibiu)*  
*BG Prof.Eng. Tudor CHERECHEȘ, PhD (MTA, Bucharest)*  
*Prof. Ion DINESCU, PhD, (AFA, Brașov)*  
*Prof. Viorel MELNING, PhD (Al.I.Cuza University, Iași)*  
*Assoc.Prof.Eng. Gheorghe RATIU, PhD (LFA, Sibiu)*  
*Prof. Hortensia GORSKI, PhD (ROGER University, Sibiu)*

## **ORGANIZING COMMITTEE**

### **CHAIRMAN:**

*LTC Assoc.Prof. Leontin STANCIU, PhD*

### **MEMBERS:**

*COL Prof. Alexandru RIZESCU, PhD*

*COL Prof. Mihai NEAG, PhD*

*COL Assoc.Prof. Robert STĂNCIULESCU, PhD*

*LTC 1<sup>st</sup> SR Vasile CĂRUȚAȘU, PhD*

*Assoc.Prof.Eng. Gheorghe RAȚIU, PhD*

*LTC Assoc.Prof. Elena FLORIȘTEANU, PhD*

*Assoc.Prof. Marioara PATEȘAN, PhD*

*Assoc.Prof.Eng. Luminița GIURGIU, PhD*

*LTC Assoc.Prof.Eng. Dănuț MOȘTEANU, PhD*

*Assoc.Prof. Ramona TODERICIU, PhD*

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*LTC Asst.Prof. Daniel-Sorin CONSTANTIN*

*Asst.Prof. Ștefania BUMBUC, PhD*

*LTC Valentin PÂRVUȚ*

*LTC Gheorghe PRUNESCU*

*LTC Nicolae CĂPĂȚÎNĂ*

*C.E. Cristian TEODORESCU*

*SRA Gabriel MĂNESCU*

## SECTIONS AND PLACES

### **SECTION 1: MILITARY AND MANAGERIAL SCIENCES.....9**

**Subsection 1: Military Sciences..... 9**  
*Place: Stability and Support Operations Seminar Room, bldg J2, 1<sup>st</sup> floor, room 65*

**Subsection 2: Security and Defence.....12**  
*Place: Management of Organizational Capabilities, bldg J2, 1<sup>st</sup> floor, room 37*

**Subsection 3: Military Training.....15**  
*Place: Military Training Centre Meeting Room, bldg J1, 3<sup>rd</sup> floor, room 98*

**Subsection 4: Management.....16**  
*Place: Economic-Financial Management, bldg J2, 1<sup>st</sup> floor, room 36*

### **SECTION 2: ECONOMIC SCIENCES.....19**

**Subsection 1: Economic-Financial Management.....19**  
*Place: Economic-Financial Management Seminar Room, bldg. J2, 1<sup>st</sup> floor, room 36*

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### **SECTION 3: BEHAVIOURAL AND SOCIAL SCIENCES.....23**

*Place: Military Instructors Shaping Up Seminar Room, bldg. J2, 1<sup>st</sup> floor*

### **SECTION 4: ADMINISTRATIVE AND JURIDICAL SCIENCES.....26**

*Place: Law and Legislature Seminar Room, bldg. J2, 1<sup>st</sup> floor*

### **SECTION 5: TECHNICAL SCIENCES AND TECHNOLOGY.....28**

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*Place: Computer Science Laboratory, bldg J2, 1<sup>st</sup> floor, room 44*

**Subsection 2: Decision Support Systems and CBRN in Military Operations.....31**

*Place: Statistical Processing Laboratory, bldg, J2, 1<sup>st</sup> floor, room 46*

**Subsection 3: Advanced Military Technologies and Network Architectures.....35**

*Place: Computer Science Laboratory, bldg J2, 1<sup>st</sup> floor, room 45*

**SECTION 6: FOREIGN LANGUAGES.....38**

*Place: English Classroom, bldg. D, 1<sup>st</sup> floor*

**WORKSHOP: PUBLIC ORDER AND NATIONAL SAFETY**

*Place: Modelling and Simulation Laboratory, bldg. J2, 1<sup>st</sup> floor, room 48*



## SECTION 1: MILITARY AND MANAGERIAL SCIENCES

### Subsection 1: MILITARY SCIENCES

**Chairpersons:** Prof.Eng. Mircea POPA, PhD  
Prof.Eng. Milan SOPOCI, PhD  
Prof. Mircea COSMA, PhD  
Prof. Alexandru BABOȘ, PhD

**Assistant:** TA Alin CÎRDEI

**Place:** *Stability and Support Operations Seminar Room, bldg J2, 1<sup>st</sup> floor, room 65*

1. *90 Years of Infantry Romanian Military Education in Sibiu*, **Alexandru BABOȘ**, “Lucian Blaga” University of Sibiu
2. *New Trends in Ballistic Protection*, **Simona BADEA, Ioan SAFTA**, CBRN Defense and Ecology Scientific Research Centre, Bucharest
3. *High-Tech Joint Combat*, **Virgil BĂLĂCEANU**, General Staff, Bucharest
4. *Cultural Diversity Presence in Stability and Support Operations*, **Laviniu BOJOR**, “Nicolae Bălcescu” Land Forces Academy, Sibiu
5. *Military Art – Elements Specific to the Roman Army and Their Importance in the Expansion Policy of the Roman Empire*, **Cristina-Eugenia BURTEA-CIOROIANU**, University of Craiova
6. *The Moral Force of the Latin Dictum and Its Implications in the Roman Military Life*, **Cristina-Eugenia BURTEA-CIOROIANU**, University of Craiova
7. *Generation of the Modular Task Forces Structures*, **Jiri CERNY, Petr HRUZA**, University of Defence, Brno, The Czech Republic
8. *11 Myths about Network-Centric Warfare and a New Approach of Military Actions*, **Sorin CÎRSTEA\***, **Nicolae NENCU\*\***, \*Center of Psychology Operations, Tg. Mureș, \*\* “Ioan Vodă” Application School for Land Air Defence Artillery, Sibiu
9. *Information War Risk Factor to the National Security*, **Mircea COSMA\***, **Alexandru TATU\*\***, **Brândușa-Oana NICULESCU\*\*\***, \*Alma Mater University, Sibiu \*\* “Carol I” National Defence University, Bucharest, \*\*\* “Nicolae Bălcescu” Land Forces Academy, Sibiu
10. *Present Strategic Context*, **Dan GHICA-RADU, Adrian TONEA**, Land Forces Staff, Bucharest
11. *The Current Operational Dimension — Resultant of the Interactions of the Elements of the Actional- Operational Framework*, **Constantin GRIGORAȘ**, “Nicolae Bălcescu” Land Forces Academy, Sibiu

12. *The Interaction between the Concepts of Network-Based Warfare and Effects-Based Operations*, **Constantin GRIGORAȘ**, “Nicolae Bălcescu” Land Forces Academy, Sibiu
13. *Improving Research in the Fight Armed with Knowledge and Mastery of Cognitive Processes Sensory Robin*, **Laurențiu GRIGORE**, “Carol I”, National Defence University, Bucharest
14. *Methods and Techniques of Military Decision Substantiation*, **Nicolae HANES\***, **Mircea COSMA\*\***, \*Training Centre for Communications and Information Technology, Sibiu, \*\*Alma Mater University, Sibiu
15. *Crisis Management – NATO and UE Future Prospective*, **Sorin IOAN**, Romania’s Representation to NATO, Brussels
16. *Training of Military Professionals on Fulfilling Tasks in Nowadays Asymmetric Operations with Use of Tactical Virtual Simulator*, **Jaroslav KOZUBEK**, **Petr CECH**, **Zdenek FLASAR**, University of Defence, Brno, The Czech Republic
17. *Social Representations of Intelligence and Security Culture in Romania*, **Sabina-Adina LUCA**, **Bogdan GHEORGHITĂ**, “Lucian Blaga” University of Sibiu
18. *Network Enabled Capabilities: Treatment of Uncertainty through Risk Analysis*, **Roland Iosif MORARU\***, **Gabriel Bujor BĂBUȚ\***, **Lucian Ionel CIOCA\*\***, \*University of Petroșani, \*\*“Lucian Blaga” University of Sibiu
19. *Security of Information within Knowledge – Based Operations*, **Neculae NĂBĂRJOIU**, Romanian American University, Bucharest
20. *Space Organization – the Fight in Operations Land Component*, **Visarion NEAGOE**, **Dorel MIRON**, Land Forces Staff, Bucharest
21. *Theoretical-Methodological Guidelines on the Management of Military Operations*, **Horațiu-Adrian NEAGOIE\***, **Adrian BĂLĂLĂU\*\***, “Nicolae Bălcescu” Land Forces Academy, Sibiu, General Staff, Bucharest
22. *The Comprehensive Approach in the Military Operations Management in the North Atlantic Alliance Conception*, **Horațiu-Adrian NEAGOIE\***, **Adrian BĂLĂLĂU\*\***, “Nicolae Bălcescu” Land Forces Academy, Sibiu, General Staff, Bucharest
23. *Force Protection Plan Development*, **Filip NIKL**, University of Defence, Brno, The Czech Republic
24. *The Use of “Ric” Codes for Stock Calculation in Multinational Operations*, **Miroslav PECINA**, **Tomáš DVOŘÁK**, University of Defence, Brno, The Czech Republic
25. *Automated Support “Logassessrep”*, **Miroslav PECINA**, **Hana VLACHOVÁ**, University of Defence, Brno, The Czech Republic

26. *Future Operational Environment and Military Concepts*, **Ivo PIKNER**, **Vlastimil GALATÍK**, University of Defence, Brno, The Czech Republic
27. *Romanian Combat Divers in Terrorist Acts Prevention*, **Simona RUS\***, **Adrian ONȚICA\*\***, **Mihai DIACONU\*\***, **Ana ION\*\***, **Lidia CALANCEA\*\*\***, \*Diving Centre Constanța, \*\*“Mircea cel Bătrân” Naval Academy, Constanța, \*\*\*Navy Research Center, Constanța
28. *Where Tends Military Science*, **Milan SOPÓCI**, AOS gen. M.R. Štefánika, Liptovský Mikuláš, The Slovak Republic
29. *Trends and Modernity Concerning the Evolution of Effects Based Operations*, **Lucian STĂNCILĂ\***, **Vasile ENE\*\***, \*\*“Carol I” National Defence University, Bucharest\*, \*\*Ministry of National Defence, Bucharest
30. *Special Troops of the Roman Army*, **Mădălina STRECHIE**, University of Craiova
31. *Training Challenges in the context of Knowledge Based Organization’s Increasing Role*, **Adrian STROEA**, Land Forces’ Staff, Bucharest
32. *Land Forces’ Transformational Priorities*, **Adrian STROEA**, Land Forces’ Staff, Bucharest
33. *War Disinformation*, **Adrian TONEA**, Land Forces Staff, Bucharest
34. *Military Decision Making Process and Advanced Methodology of Decision Making*, **Pavel ZUNA**, University of Defence, Brno, The Czech Republic

## Subsection 2: Security and Defence

**Chairpersons:** Prof. Teodor FRUNZETI, PhD  
Dipl.Eng. Viteslav JAROS, PhD  
Prof. Mihai NEAG, PhD  
Prof. Gheorghe UDEANU, PhD

**Assistant:** Asst.Prof. Lucian ISPAS

**Place:** *Management of Organizational Capabilities Seminar Room,  
bldg J2, 1<sup>st</sup> floor, room 38*

1. *Military Globalization and Its Impact on National Defence Strategies*, **Ion BĂLĂCEANU**, “Carol I” National Defence University, Bucharest
2. *Security Regionalisation in South Eastern Europe*, **Virgil BĂLĂCEANU**, General Staff, Bucharest
3. *“Start” to Reduce the Risk of Nuclear Terrorism*, **Cătălin CIOACĂ**, “Henri Coandă” Air Force Academy, Braşov
4. *Limiting Individual Freedom – Unwanted Result of Fighting against International Terrorism*, **Varvara-Licuța COMAN**, **Dorin MATEI**, Danubius University, Galați
5. *National Interests and Security in Globalization*, **Mihai CRISTIAN**, “Carol I” National Defence University, Bucharest
6. *Intentions, Dangers, Risks and Threats of Non-Military Nature for the National and Regional Security*, **Mihai CRISTIAN**, “Carol I” National Defence University, Bucharest
7. *New Threats of National Security*, **Farhad DARVISHI**, Imam Khomeini International University, Iran
8. *Restructuring the Power Relations in the World. The American Leadership and the Globalization Process*, **Anca DINICU**, “Nicolae Bălcescu” Land Forces Academy, Sibiu
9. *Intelligence and International Affairs*, **Consuela FAUR**, “Lucian Blaga” University of Sibiu
10. *Proliferation of Weapons of Mass Destruction, Challenge to Euro-Atlantic Security*, **Ioan FĂRCAȘ**, Land Forces Staff, Bucharest
11. *Military Alliance Role in Enforcing the Regional and Global Security and Stability*, **Teodor FRUNZETI**, “Carol I” National Defence University, Bucharest
12. *Mediation-Political-Diplomatic Method for Solving International Conflicts*, **Dan GUNĂ**, Valahia University, Târgoviște

13. *Human Securities Multi-Dimensionality and Polivalency*, **Lucian ISPAS\***, **Irina CUCU\*\***, \*"Nicolae Bălcescu" Land Forces Academy, Sibiu, \*\*"Carol I" National Defense University, Bucharest
14. *Specifics Command and Control of Modular Structured Task Forces*, **Vitezslav JAROS**, University of Defence, Brno, The Czech Republic
15. *Role and Place of Energy Security within Security Studies*, **Mihai MANOLACHE**, **Lucian STÂNCILĂ**, "Carol I" National Defense University, Bucharest
16. *Legal Analysis of the Crime "Forming, Leading or Participating in a Group which Has the Purpose of Committing Crimes against the Political Rights of Citizens"*, **Yuliana MATEEVA**, Technical University, Varna, Bulgaria
17. *Social Differences regarding National Security*, **Gabriel MĂNESCU**, "Nicolae Bălcescu" Land Forces Academy, Sibiu
18. *The North-Atlantic Treaty Organisation's Contribution to International Cooperation on the Issue of Terrorism*, **Ileana METEA**, **Andrei-Mircea MUNTEANU**, "Nicolae Bălcescu" Land Forces Academy, Sibiu
19. *Journalists Protection in Armed Conflicts. Case Study: Georgia Conflict (2008)*, **Nicoleta MUNTEANU**, "Lucian Blaga" University of Sibiu
20. *The Major Strategic Stake Represented by the Present Energy Security*, **Doina MUREȘAN**, **Andrei FILOTE**, "Carol I" National Defence University, Bucharest
21. *Human Security, Pragmatic Concept*, **Mihai Marcel NEAG\***, **Olimpiodor ANTONESCU\*\***, \*"Nicolae Bălcescu" Land Forces Academy, Sibiu, \*\*National Inspectorate of Gendarmerie, Bucharest
22. *Security Challenges of NATO - UN Interoperability for Better Fight against New Threats*, **Pavel NECAS\***, **Pavel BUCKA\***, **Peter TEREM\*\***, **Blazej LIPPAY\*\*\***, \*Armed Forces Academy of Gen. M. R. Stefanik, Liptovsky Mikulas, Slovak Republic, \*\*Matej Bel University, Banska Bystrica, Slovak Republic, \*\*\*National Security Authority, Slovak Republic
23. *The Legitimacy of Global Fight against International Terrorism*, **Cătălin NEGOESCU**, **Alin CÎRDEI**, "Nicolae Bălcescu" Land Forces Academy, Sibiu
24. *Insecurities of the Romanian Security*, **Gabriela NEȘTIAN**, Ministry of Communications and Information Societies, Bucharest
25. *UE-NATO Cooperation within the European Security Construction*, **Milik OTTO**, **Marius RALEA**, "Nicolae Bălcescu" Land Forces Academy, Sibiu
26. *International and National Measures for the Prevention of Terrorist Financing*, **Oana-Andreea PIRNUTA\***, **Gabriel-Florin MOISESCU\*\***, **Cosmina-Oana DRĂGHICI\*\***, **Alina-Adriana ARSENI\***, \*Transilvania University, Brașov, \*\*"Henri Coandă" Air Force Academy, Brașov

27. *Romanian and EU Institutions Involved in the Fight against Terrorism*, **Oana-Andreea PIRNUTA\***, **Gabriel-Florin MOISESCU\*\***, **Cosmina-Oana DRĂGHICI\*\***, **Alina-Adriana ARSENI\***, \*Transilvania University, Braşov, \*\*Henri Coandă” Air Force Academy, Braşov
28. *Strategic Management vs. Strategic Marketing*, **Doina POPESCU**, Academy of Economic Studies, Bucharest
29. *The Role of International Organizations in the Dynamics of Global Security*, **Marius PRICOPI\***, **Adi-Marinel MUSTAŢĂ\*\***, \*\*“Nicolae Bălcescu” Land Forces Academy, Sibiu, \*\*\*“Carol I” National Defence University, Bucharest
30. *International Flow of Arms Traffing*, **Dragoş-Lucian RĂDULESCU**, Petroleum-Gas University, Ploieşti
31. *International Actions to Address Transnational Terrorism*, **Irina-Gabriela RĂDULESCU**, Petroleum-Gas University, Ploieşti
32. *NATO Centres of Excellence Network and Alliance’s Transformational Features*, **Eduard SIMION**, NATO HUMINT Centre of Excellence, Oradea
33. *NATO Perspectives after the Summit in Lisbon 2010*, **Călin STANCIU**, **Carmen PRECUP**, “Nicolae Bălcescu” Land Forces Academy, Sibiu
34. *Urban Security Environment. Risks and Strategies*, **Eugen STRĂUŢIU**, “Lucian Blaga” University, Sibiu
35. *Russian Geopolitical School at the Beginning of the Third Millennium*, **Vlad VASIU**, “Lucian Blaga” University of Sibiu

### Subsection 3: Military Training

**Chairpersons:** Assoc.Prof. Robert STĂNCIULESCU, PhD  
Assoc.Prof. Virgil ENE VOICULESCU, PhD  
**Assistant:** Sup.Instr. Ioan VIRCA  
**Place:** *Military Training Centre Meeting Room, bldg. J1, 3<sup>rd</sup> floor, room 98*

1. *Coaching Program of the Romanian Naval Students Team in Lifesaving Race, **Virgil ENE-VOICULESCU\***, **Carmen ENE-VOICULESCU\*\***, \*\*"Mircea cel Bătrân" Naval Academy, Constanța, \*\*\*"Ovidius" University Constanța*
2. *Techniques and Procedures Used in Combat Zones regarding the Application Mode of Standard Operating Procedures, **Ion IACOVESCU\***, **Iulia Andrada IACOVESCU\*\***, \*\*"Nicolae Bălcescu" Land Forces Academy, Sibiu, \*\*\*"Lucian Blaga" University of Sibiu*
3. *Evaluation of Oral Health, Part of the Educational and Training Process for Military Students, **Vasile NICOLAE**, "Lucian Blaga" University of Sibiu*
4. *Influence of Communication on the Management of Sports Organizations, **Marcel POMOHACI**, "Lucian Blaga" University of Sibiu*
5. *Analysis of the Indicators for Assessing the Explosive Force of the Lower Limbs, to Volleyball Players, **Gloria RAȚĂ\***, **Liliana MIHĂILESCU\*\***, **Cecilia GEVAT\*\*\***, **Bogdan RAȚĂ\*\*\***, **Liviu MIHĂILESCU\*\*\***, **Alin LARION\*\*\***, \*\*"Vasile Alecsandri" University, Bacău, \*\*University of Pitești, \*\*\*"Ovidius" University Constanța*
6. *Considerations on Optimizing the Physical Potential, within Cadets' Building-Up Process, in the Context of the Modern Military Structures' Integration, **Robert STĂNCIULESCU**, "Nicolae Bălcescu" Land Forces Academy, Sibiu*
7. *Aspects on Modernizing and Standardizing "Nicolae Bălcescu" Land Forces Academy Cadets' Training, **Robert STĂNCIULESCU\***, **Ioan VIRCA\***, **Merișor CERANU\*\***, \*\*"Nicolae Bălcescu" Land Forces Academy, Sibiu, \*\*Police Department, Sibiu*

#### **Subsection 4: Management**

**Chairpersons:** Prof. DHC Ion PETRESCU, PhD  
Prof. Luigi DUMITRESCU, PhD  
Eng. Miroslav SUHAJ, PhD

**Assistant:** Asst.Prof Dumitru IANCU, PhD  
Jr.TA Alexandru BABOȘ

**Place:** *Economic-Financial Management Seminar Room, bldg J2, 1<sup>st</sup> floor, room 36*

1. *The Capabilities-Based Planning Process*, **Iulia-Manuela ASANDULUI**, Air Forces Staff, Bucharest
2. *The Essence and Components of Quality Management in Romanian Higher Education Institutions*, **Alexandru BABOȘ**, **Claudiu VESA**, “Nicolae Bălcescu” Land Forces Academy, Sibiu
3. *Possible Tendencies within the Evolution of the Defense Human Resources*, **Gabriela-Carmen BATSCHI\***, **Ionel ONICIUC-CORDUBAN\*\***, **Lavinia GAVRILĂ\*\*\***, **Ioana-Mihaela DINESCU\*\*\*\***, **Ion DINESCU\*\*\***, \*The General Information Department of Defence, \*\*Management and Human Resources Department University or Company, \*\*\*“Henri Coandă” Air Force Academy, Brașov, \*\*\*\*“BUCEGI” Mountain Training Base, Predeal
4. *Strategic Decision and Its Role in Organizational Management Process*, **Nicoleta BELU**, **Alina VOICULEȚ**, **Denisa PARPANDEL\***, **Ionela-Carmen RIZEA\*\***, \*“Constantin Brâncoveanu” University, \*\*Academy of Economic Studies, Bucharest
5. *A Structured Approach for Personnel Security Risk Assessment*, **Gabriel BUJOR BĂBUȚ**, **Roland-Iosif MORARU**, **Crinela-Monica BĂBUȚ**, University of Petroșani
6. *Scientific Research as an Integral Part of Military Management*, **Petr CECH**, University of Defence, Brno, The Czech Republic
7. *Knowledge-Based Communities*, **Sebastian CEPTUREANU**, **Lavinia-Ștefania TOTAN**, Academy of Economic Studies, Bucharest
8. *An Analysis of the Possibilities to Improve the Human Factor Efficiency in Air Traffic Management*, **Cătălin CIOACĂ**, **Raluca PANTA**, **Mircea BOSCOIANU**, “Henri Coandă” Air Force Academy, Brașov
9. *Optimizing the Use of Defense Resource in the Context of the Capabilities Based Planning Implementation in the Romanian Armed Forces*, **Maria CONSTANTINESCU**, DRESMARA “Carol I” National Defence University, Brașov



10. *Environmental Management Systems*, **Sorinel COSMA\***, **Simona COSMA\*\***, \*\*"Ovidius" University, Constanța, \*\*\*"Mircea cel Bătrân" Naval Academy, Constanța
11. *The Holistic Model – a Solution for the Efficiency of the University Management*, **Luigi DUMITRESCU\***, **Mircea FUCIU\*\***, \*\*"Lucian Blaga" University of Sibiu, \*\*Romanian-German University of Sibiu
12. *Knowledge Management Systems in Universities*, **Luminița GIURGIU\***, **Sanda IORDACHE\*\***, **Dănuț MOȘTEANU\***, \*\*"Nicolae Bălcescu" Land Forces Academy, Sibiu, \*\*Human Resources Management Directorate, Bucharest
13. *The Consumer Perspective - an Integrated Part of the Balanced Scorecard Framework*, **Hortensia GORSKI\***, **Luigi DUMITRESCU\*\***, **Mircea FUCIU\***, Romanian-German University of Sibiu\*, \*\*"Lucian Blaga" University of Sibiu
14. *The Specificity of the Management System Components within the Military Organization*, **Dumitru IANCU**, **Leontin STANCIU**, "Nicolae Bălcescu" Land Forces Academy, Sibiu
15. *Generating and Regenerating the Human Resources – Part of Human Resource Management*, **Sanda IORDACHE**, Human Resources Management Directorate, Bucharest
16. *Conflict Management*, **Elena JIANU**, University of Pitești
17. *Leader and Leadership in the Military Organization - a New Approach -*, **Ioan MANCI**, 4<sup>th</sup> Division, Cluj Napoca
18. *Ecotourism – the Key Concept of a Sustainable Management of the Protected Areas*, **Virgil NICULA**, "Lucian Blaga" University of Sibiu
19. *Adapting the Criteria, Principles and European Standards of Ecotourism to the Needs of Romanian Tourism*, **Virgil NICULA**, "Lucian Blaga" University of Sibiu
20. *Management's Aspects regarding the Military Career. Evolutionary Principles and Tendancies*, **Ionel ONICIUC-CORDUBAN\***, **Lavinia GAVRILĂ\*\***, **Ioana-Mihaela DINESCU\*\*\***, **Ion DINESCU\*\***, \*Management and Human Resources Department University or Company\*, \*\*"Henri Coandă" Air Force Academy, Brașov, \*\*\*"BUCEGI" Mountain Training Base, Predeal
21. *Risk Management regarding Information Assurance*, **Gheorghe PĂCURAR**, Ministry of Administration and Interior, Bucharest
22. *The Leader of the Superior Military Learning Institution, a Complex Personality*, **Ion PETRESCU**, **Camelia ȘTEFĂNESCU**, "Spiru Haret" University, Bucharest

23. *Process Management: an Impetus to Develop Military University Education*, **Bohuslav PŘIKRYL**, University of Defence, Brno, The Czech Republic
24. *Quality Assessment of Human Resources Management*, **Mirela PUȘCAȘU**, “Carol I” National Defence University, Bucharest
25. *Negotiation the most Important Conflict Resolution Method*, **Marius RALEA**, **Claudiu VULCU**, “Nicolae Bălcescu” Land Forces Academy, Sibiu
26. *Conceptual Projections of Transformation and Modernization Higher Military Education in Romania*, **Aurelian RAȚIU\***, **Lucian ISPAS\***, **Silviu NATE\*\***, \* “Nicolae Bălcescu” Land Forces Academy, Sibiu, \*\* “Lucian Blaga” University of Sibiu
27. *General Consideration on Waste Management in Romania*, **Marian RIZEA**, Ecological University, Bucharest
28. *Study on the Particularities of the Military Cultural Environment*, **Alexandru RIZESCU\***, **Alexandru Marius RIZESCU\***, **Marcel TURLOIU\*\***, \* “Nicolae Bălcescu” Land Forces Academy, Sibiu, \*\* Police Department, Sibiu
29. *The Vulnerability of the Cibin Hydrographic Basin for Pluviometric Surplus and Deficit*, **Simona SPÂNU**, **Iulian ȘTEF**, **Iuliana ANTONIE**, **Robert BLAJ**, “Lucian Blaga” University of Sibiu
30. *The Influence of Precipitations on the Management Risk of the Forest Vegetation in Cibin Hydrographic Basin*, **Simona SPÂNU**, **Robert BLAJ**, **Iuliana ANTONIE**, “Lucian Blaga” University of Sibiu
31. *The Military Organization between Necessity and Actuality, Given the Conditions of the Present Dynamism of the Contemporary World*, **Leontin STANCIU**, **Dumitru IANCU**, “Nicolae Bălcescu” Land Forces Academy, Sibiu
32. *Selected Aspects of Tertiary Education of Professionals in the Branch of Military Management*, **Miroslav SUHAJ**, **Zdenek FLASAR**, University of Defence, Brno, The Czech Republic
33. *Increasing the Competitiveness of the Romanian Organisation from Construction Industry through Implementation of Multi-Organisational Knowledge Management*, **Florin VĂDUVA\***, **Ion POPA\*\***, **Rodica GHERGHINA\***, **Bogdan VASILCIUC\***, \* “Titu Maiorescu” University, Bucharest, \*\* Academy of Economic Studies, Bucharest
34. *From “The Learning Organization” to “The Knowledge-Based Organization” via the Management of Military Organization*, **Victor VELTER**, **Iuliana Diana ZLATE**, **Mihai Viorel CIUTA**, “Valahia” University of Târgoviște

## SECTION 2: ECONOMIC SCIENCES

### Subsection 1: Economic-Financial Management

**Chairpersons:** Prof. Veronel AVRAM, PhD  
Assoc.Prof. Emil MARE, PhD  
Dipl.Eng. Břetislav ŠTĚPÁNEK  
**Assistant:** Asst.Prof. Gabriel POPA  
**Place:** *Economic-Financial Management Seminar Room, bldg. J2,  
1<sup>st</sup> floor, room 36*

1. *The Professional Deontology and the Social Responsibility in the Audit Missions, Alexandru AVRAM\**, **Costin Daniel AVRAM\*\***, **Veronel AVRAM\*\***, \* West University, Timișoara, \*\*University of Craiova
2. *Managing Negative Externalities, Sorinel COSMA\**, **Simona COSMA\*\***, \*\*"Ovidius" University, Constanța, \*\*\*"Mircea cel Bătrân" Naval Academy, Constanța
3. *Aspects of Financial Resource Management and Security, Sevdalina Ilieva DIMITROVA*, National Military University "Vasil Levski", Veliko Tarnovo, Bulgaria
4. *Risk Management as a Component of the System of Financial Management and Control of Defense Resources, Sevdalina Ilieva DIMITROVA*, National Military University "Vasil Levski", Veliko Tarnovo, Bulgaria
5. *Investment Analysis in Manufacturing Systems using Soft Decision Support, Cosmin DOBRIN, Daniela ȘERBAN*, Academy of Economic Studies, Bucharest
6. *The Role of the Fiscal Policy in Harmonizing the System of Economic Interests in a Greener and Competitive Economy. A Systemic Approach regarding the Romanian Economy, Ioan DONE\**, **Jean ANDREI\***, **Jonel SUBIC\*\***, **Dorel DUSMANESCU\***, \*Petroleum and Gas University of Ploiești, \*\*Institute of Agricultural Economics, Volgina, Belgrade, Republic of Serbia
7. *Risk Management an Integral Part of Bank Management, George Alin HARALAMBIE*, Oil and Gas University of Ploiești
8. *Financial Documents Prepared during European Projects Implementation, Mihaela LESCONI-FRUMUȘANU, Mihai Dorel JURCHESCU, Petria JURCHESCU, Adela BREUER*, "Eftimie Murgu" University of Reșița
9. *Organizing and Leading of the Management Accounting in Ministry of National Defense, Constantin LUCA*, Financial Accounting Directorate, Bucharest
10. *Taxes and Charges System in Romania, Emil MARE\**, **Dan MAIER\*\***, \*\*"Nicolae Bălcescu" Land Forces Academy, Sibiu, \*\*\*"Babeș-Bolyai" University, Cluj-Napoca

11. *Approach to Multilevel Marketing or Network Marketing*, **Gheorghe MINCULETE, Polixenia OLAR**, “Carol I” National Defence University, Bucharest
12. *A New Breed: the Millenials “Money doesn’t Talk Anymore!”*, **Carmen NOVAC**, “Lucian Blaga” University of Sibiu
13. *Defense Spending in the Context of Economic Hardship*, **Annamaria PALJANOS**, “Decebal” Communications and Informatics Training Center, Sibiu
14. *Possibilities of Use the Dynamic Purchase System in the Public Procurement*, **Nataša POMAZALOVÁ**, University of Defence, Brno, The Czech Republic
15. *Evaluation of Provided Services Grounded by Public Procurement*, **Nataša POMAZALOVÁ**, University of Defence, Brno, The Czech Republic
16. *A Short Overview on Banking Risks Influencing the Introduction of New Banking Services*, **Daniela POPA**, Romanian German University, Sibiu
17. *Economic and Social Taxation Effects of in Romania – General Consequences Causes*, **Gabriel POPA**, “Nicolae Bălcescu” Land Forces Academy, Sibiu
18. *An Analysis of the Risk Management Strategies in Venture Capital Investments*, **Gabriela PRELIPCEAN\***, **Mircea BOSCOIANU\*\***, **“Ștefan cel Mare”** University, Suceava, **\*\*\*“Henri Coandă”** Air Force Academy, Braşov
19. *Application of Association Rules in the Market Basket Analysis*, **Yordan SHTEREV, Vania BANABAKOVA**, NMU, Veliko Turnovo, Bulgaria
20. *Is the Adhesion of Romania to the Euro Zone a Great Challenge?*, **Marieta STANCIU, Natalița Maria SPERDEA**, University of Craiova
21. *New Approaches to Repression against Financing of CBRN Terrorism*, **Břetislav ŠTĚPÁNEK\***, **Pavel OTŘÍŠAL\*\***, **Luboš ŠTANCL\*\*\***, **\*Joint CBRN Centre of Excellence**, Vyškov, The Czech Republic, **\*\*NBC Defence Institute of University of Defence**, Vyškov, The Czech Republic, **\*\*\*Faculty of Economics and Management of University of Defence**, Brno, The Cech Republic
22. *New Approaches regarding the Management Efficiency in the Newest Building Materials Industry*, **Marcel STOICA\***, **Ion IONITĂ\***, **Gheorghe BLIDARU\*\***, **Andrei JEAN\*\*\***, **\*Academy of Economic Studies**, Bucharest, **\*\*“Valahia” University**, Tîrgoviște, **\*\*\*Petroleum and Gas University**, Ploiești
23. *Correlation Consumption - Savings in Collective Behavior of Economic Agents*, **Daniel TOBĂ, Dalia SIMION, Elena TOBĂ**, University of Craiova

## Subsection 2: Economics

**Chairpersons:** Prof.Eng. Rudolf URBAN, PhD  
Assoc.Prof. Nicolae GRADINARU, PhD  
Assoc.Prof. Elena FLORIȘTEANU, PhD

**Assistant:** Jr TA Elena CLENCI

**Place:** Defence Resource Management Seminar Room, bldg. J2,  
1<sup>st</sup> floor

1. *The Accountancy of the Tangible Assets according to the European Directives*, **Marioara AVRAM, Veronel AVRAM**, University of Craiova
2. *Transnational Companies and Their Economic Force at the Beginning of the New Millennium*, **Nicoleta BELU, Alina VOICULET, Denisa PAPANDEL, Camelia MARIN**, “Constantin Brâncoveanu” University Pitești
3. *Knowledge Based Managers and Leaders*, **Eduard CEPTUREANU**, Academy of Economic Studies, Bucharest
4. *Aspects of Professional Ethics of Public Servants in Economic Crisis*, **Elena CLENCI\***, **Emil BĂDĂLAN**, \*\*“Nicolae Bălcescu” Land Forces Academy, Sibiu
5. *Organizational Solutions and Data Analysis in Financial Accounting: Data Warehouse*, **Diana Elena CODREANU, Carmen RĂDUȚ**, “Constantin Brâncoveanu” University, Pitești
6. *Cultural Tourism Products*, **Ioan COSMESCU\***, **Cosmin TILEAGĂ\***, **Denisa DUDĂU\*\***, \*\*“Lucian Blaga” University of Sibiu, \*\*Express Casa S.R.L
7. *Budget – Complex Instrument for Identifying, Setting and Engaging the Land Forces Objectives and Missions*, **Iulian CRISTACHE\***, **Valentin PÂRVUT\*\***, \*Land Forces Headquarters, Bucharest, \*\*“Nicolae Bălcescu” Land Forces Academy, Sibiu
8. *Motivations for the Romanian Exporters*, **Ramona DUMITRIU, Răzvan ȘTEFANESCU, Costel NISTOR**, “Dunărea de Jos” University, Galați
9. *Economic Crisis Coordinates. Particularities for Romania*, **Elena FLORIȘTEANU**, “Nicolae Bălcescu” Land Forces Academy, Sibiu
10. *Insurer Sequestration of the Debtor`s Immovable Property in Business*, **Nicolae GRĂDINARU**, Constantin Brâncoveanu” University, Pitești
11. *Investing Formula Enforceable Bill of Exchange, Promisory Notes and Check*, **Nicolae GRĂDINARU**, “Constantin Brâncoveanu” University, Pitești
12. *The Role of International Taxation in the Drawing up of the Fiscal Strategy*, **Roxana ISPAS**, University of Craiova
13. *Structural Assistance in Romania*, **Mihaela LESCONI FRUMUȘANU, Jeanina Biliana CIUREA, Adela BREUER**, ”Eftimie Murgu” University, Reșița

14. *Underground Economy in Romania*, **Emil MARE\***, **Dan MAIER\*\***,  
\*\*"Nicolae Bălcescu" Land Forces Academy, Sibiu, \*\*\*"Babeş-Bolyai"  
University Cluj-Napoca
15. *Technical and Economic Evaluation of Wheel Vehicles Life Cycle Arises  
from New Methodology of Preventive Maintenance*, **Jaromir MARES**, **Petr  
KRIZEK**, **Lucie MARESOVA**, University of Defence in Brno, The Czech  
Republic
16. *The Vulnerabilities of Romania to the World Economic Crisis*, **Mirela  
MAZILU\***, **Elisabeta-Emilia HALMAGHI\*\***, \*University of Craiova,  
\*\*\*"Nicolae Bălcescu" Land Forces Academy, Sibiu
17. *E-Commerce Determinations in the New Economy*, **Gheorghe MINCULETE**,  
**Polixenia OLAR**, "Carol I" National Defense University, Bucharest
18. *Quantitative Indicators for Black Sea's Environmental Impact Assessment*,  
**Florin NICOLAE**, **Beizadea HARALAMBIE**, **Cătălin POPA**, **Filip  
NISTOR**, "Mircea cel Bătrân", Naval Academy, Constanța
19. *Technological Progress and the Economic Effects of the Romanian Banking  
System*, **Nicolae PETRIA**, "Lucian Blaga" University of Sibiu
20. *Systemic Banking Crises and Their Resolution*, **Nicolae PETRIA**, "Lucian  
Blaga" University of Sibiu
21. *Effectiveness and Efficiency of Knowledge-Based Firm*, **Ion POPA**, **Silvia  
Elena CRISTACHE**, Academy of Economic Studies, Bucharest
22. *Balanced Budgets versus Unbalanced Budgets; The Development Budget  
Deficit of Romania during 2000-2009*, **Ionela POPA**, **Alina  
TEODORESCU**, "Constantin Brâncoveanu" University, Pitești
23. *Statute of Limitations, a Method to Relieve Fiscal Debts*, **Rada  
POSTOLACHE**, **Steluța IONESCU**, "Valahia" University, Târgoviște
24. *Opinion regarding the Rules and Responsibilities of the Fiscal-Budgetary  
Policy at Governmental Level*, **Titus SEREDIUC**, Romanian-German  
University, Sibiu
25. *Diagnosis to Determine the Financial Aspects of Companies*, **Dalia  
SIMION**, **Monica PĂTRUȚESCU**, **Roxana ISPAS**, **Elena TOBĂ**,  
University of Craiova
26. *Evolution of the Romanian Exports and Imports in the Context of the  
European Integration*, **Răzvan ȘTEFĂNESCU**, **Ramona DUMITRIU**,  
**Costel NISTOR**, "Dunărea de Jos" University, Galați
27. *Research and Development – Vector of the Knowledge Based Economy in*  
**Mădălina TOCAN**, Ecological University, Bucharest
28. *Transaction Costs: Important Outsourcing Determinant in Public Sector*,  
**Rudolf URBAN**, **Miroslav KRČ**, **Vladan HOLCNER**, University of  
Defence, Brno, The Czech Republic

### SECTION 3: BEHAVIOURAL AND SOCIAL SCIENCES

**Chairpersons:** Prof. Eric GILDER, PhD  
Asst.Prof. Ștefania BUMBUC, PhD  
Assoc.Prof. Răduț BÎLBÎIE, PhD

**Assistant:** TA Crenguța MACOVEI, PhD

**Place:** *Military Instructors Shaping Up Seminar Room, bldg. J2,  
1<sup>st</sup> floor*

1. *Self-Confidence – the Basis of Leadership. Seduction Does Not Necessarily Imply Manipulation*, **Daniela BELU**, “Henri Coanda” Air Force Academy, Brașov
2. *Establishment and Operation of Media Centers for Complex Events. Rooms and Facilities for Journalists*, **Răduț BÎLBÎIE**, “Nicolae Bălcescu” Land Forces Academy, Sibiu
3. *Internal Organizational News Media. Limits and Boundaries*, **Răduț BÎLBÎIE\***, **Marioara PATEȘAN\***, **Camelia ALIBEC\*\***, **Oriana BEJENARIU\*\*\***, \*”Nicolae Bălcescu”, Land Forces Academy Sibiu, \*\*”Mircea cel Bătrân” Naval Academy, Constanța, \*\*\*Inspectorate for Emergency Situations, Sibiu
4. *Developing New Dimensions of the Constructivist Instruction*, **Ștefania BUMBUC\***, **Ileana FRITEA\*\***, \*\*”Nicolae Bălcescu” Land Forces Academy Sibiu, \*\*\*”Babeș Bolyai” University, Cluj
5. *Online Education and Clustering Techniques in Military Field*, **Viorel BUȚA**, “Carol I” National Defence University, Bucharest
6. *The Military Higher Education System’s Transformation Directions*, **Nelu CÎRNEANU\***, **Mihai CHIRIȚĂ\***, **Benoni SFĂRLOG\*\***, **Gabriel GABOR\***, General Staff, Bucharest, \*\*\*”Nicolae Bălcescu” Land Forces Academy Sibiu
7. *Management of Psychological Services within National Security System Structures*, **Constantin-Edmond CRACSNER**, Ecological University, Bucharest
8. *Specific Aspects on the Present Romania’s Human Development - Human Security Relationship*, **Iulia Cătălina CRĂCIUN\***, **Mihai NEAG\*\***, \*\*”Lucian Blaga” University of Sibiu, \*\*\*”Nicolae Bălcescu” Land Forces Academy, Sibiu
9. *An Internet - Based Case Study on Plagiarism*, **Viorela-Valentina DIMA**, Academy of Economic Studies, Bucharest
10. *Aspects regarding the Formation of the Self-Teaching Competence of the Students*, **Mariana DORDEA**, Romanian Intelligence Service, Sibiu

11. *Information and the Communication Process – between lags and Synchronicity*, **Ion DUR**, \*\*“Lucian Blaga” University of Sibiu
12. *A Holistic Critique of “Intelligent Web Based Educational Systems”: Moving from Mechanical towards Synoptical E-Learning*, **Silvia FLOREA, Eric GILDER**, “Lucian Blaga” University of Sibiu
13. *Globalization in Contemporary Social Theory*, **Valentin GIUPANĂ**, Romanian Intelligence Service, Sibiu
14. *Correlation between the Psychological Building-Up and the Psychological Dimensions of the Military Leader*, **Daniel-Florin GIURCĂ\***, **Iulia-Clarisa GIURCĂ\*\***, **Smaranda DEMIAN**, \*\*“Nicolae Bălcescu” Land Forces Academy, Sibiu, \*\*01010 M.U. Tg. Mureș
15. *The Role of Competence and Performance for the Professional Success*, **Mihaela GURANDA**, “Henri Coandă” Air Force Academy, Brașov
16. *The Changing Media Reality and Its Forms of Communication*, **Sandina ILIE, Oana ILIE**, “Nicolae Bălcescu” Land Forces Academy, Sibiu
17. *The Mirroring Phenomenon used as Working Tool in the Organizational Environment*, **Mihaela MAN**, 01010 M.U. Tg. Mureș
18. *Comparative Study of the Profile of Knowledge, Skills, Abilities and Other Key Requirements for Trainers, as They Result from the Trainers’ Self-Analysis and the Beneficiaries’ Perception*, **Sorina Mihaela MARDAR**, “Carol I” National Defence University, Bucharest
19. *The Social Implications of Self-Education*, **Gabriela MIHĂILĂ-LICĂ\***, **Cristina ION\*\***, \*\*“Nicolae Bălcescu” Land Forces Academy, Sibiu, \*\*”Andrei Șaguna” Pedagogical National College, Sibiu
20. *The Objectives of Lifelong Education*, **Gabriela MIHĂILĂ-LICĂ\***, **Cristina ION\*\***, \*\*“Nicolae Bălcescu” Land Forces Academy, Sibiu, \*\*”Andrei Șaguna” Pedagogical National College, Sibiu
21. *Pros and Cons for the Knowledge Entrepreneurship in Universities “It Is Always Knowledge to Some End”*, **Carmen NOVAC**, “Lucian Blaga” University of Sibiu
22. *The Role and Place of the Mentor within the Medical University Field*, **Maria-Dorina PAȘCA**, University of Medicine and Pharmacy, Tg. Mureș
23. *Determining the Perception of Students on the Didactic Tools Using Marketing Research*, **Corina Mihaela PLEȘCA (BĂIȚOIU)**, **Paul Dan BRÎNDAȘU, Livia Dana BEJU**, “Lucian Blaga” University of Sibiu
24. *Reconstructing European Reality: Turkey and “The Pictures in Our Heads”*, **Valentina PRICOPIE**, Romanian Academy, Bucharest



25. *Knowledge and Developing Knowledge-Based Systems*, **Carmen RĂDUT**, **Cristina TENOVICI**, **Mihaela TURMACU**, “Constantin Brâncoveanu” University, Pitești
26. *Conformism vs. Autonomy in School. Comparative Study of the Teachers’ and Students’ Options*, **Adriana RÎȘNOVEANU**, “Carol I” National Defence University, Bucharest
27. *Lost: Bachelor Students!*, **Liviu ROSCA**, **Vlad Andrei BÂRSAN**, **Andreea PAROS**, **Alexandra TĂTARU**, “Lucian Blaga” University of Sibiu
28. *Leader’s Becoming and Team Work*, **Benoni SFÂRLOG\***, **Daniel CONSTANTIN\***, **Daniel Florin GIURCĂ\***, **Iulia Clarisa GIURCĂ\*\***, \**“Nicolae Bălcescu” Land Forces Academy, Sibiu*, \*\*01010 M.U. Tg. Mureș
29. *The Role of Integrated Marketing Communication in Dropout Prevention Social Programs*, **Corina ȘERBAN**, Academy of Economic Studies, Bucharest
30. *Generating Effective Emotional Messages in Social Marketing Programs - Fear as a Tool to Influence Social Behavior*, **Corina ȘERBAN**, **Ana Maria TULUC**, Academy of Economic Studies, Bucharest
31. *Personnel: the Key Element of an Education Institution Dynamics*, **Rudolf URBAN**, **Zdeněk ZEMÁNEK**, University of Defence, Brno, The Czech Republic
32. *Higher Education Institutions in the Knowledge Economy*, **Diana Elena VASIU**, **Hortensia GORSKI**, Romanian-German University, Sibiu

## SECTION 4: ADMINISTRATIVE AND JURIDICAL SCIENCES

**Chairpersons:** Prof. Vasilica NEGRUT, PhD  
Assoc.Prof. Vasile TABĂRĂ, PhD  
Asst.Prof. Teodora DRĂGHICI, PhD  
**Assistant:** TA Sabin GUȚAN, PhD  
**Place:** Law and Legislature Seminar Room, bldg. J2, 1<sup>st</sup> floor

1. *The Alternative Usage of Law*, **Claudia ANDRIȚOI**, “Eftimie Murgu” University, Reșița
2. *Preventive Actions according to the International Law*, **Gabriela BELOVA**, “Neofit Rilski” South-West University, Varna, Bulgaria
3. *Obligation to Apply the Law by the Judge under the Accusation of Denial of Justice*, **Iulia BOGHIRNEA\***, **Marta Claudia CLIZA\*\***, **Olivian MASTACAN\*\*\***, \*University of Pitești, \*\*“Nicolae Titulescu” University, Bucharest, \*\*\*“Valahia” University, Târgoviste
4. *Some Considerations on the Classification of Civil Liability Depending on the Certainty of Completion*, **Teodora-Aurelia DRĂGHICI**, “Nicolae Bălcescu” Land Forces Academy, Sibiu
5. *Considerations regarding the Inheritance Law Report from the General Law Theory Point of View*, **Ilioara GENOIU**, “Valahia” University, Târgoviște
6. *The Irregular Deposit in the Regulation of the New Civil Code*, **Ilioara GENOIU**, **Olivian MASTACAN**, “Valahia” University, Târgoviște
7. *Globalization in International Law and Organizations*, **Valentin GIUPANĂ**, Romanian Intelligence Service, Sibiu
8. *Legal Issues regarding Genetic Engineering and Human Genom Protection*, **Sabin GUȚAN**, “Nicolae Bălcescu” Land Forces Academy, Sibiu
9. *From Jus Ad Bellum to Jus In Bello*, **Sabin GUȚAN**, “Nicolae Bălcescu” Land Forces Academy, Sibiu
10. *Crime Committed by a Person Who Has Already Committed a Crime*, **Ion IFRIM**, **Oana Roxana IONESCU**, “Andrei Rădulescu” Academy, Bucharest
11. *War Crimes in the Concept of New Criminal Code*, **Gheorghe IVAN**, “Dunărea de Jos”, University of Galați
12. *Development of EU Internal Security – an Incentive for Deepening the Criminal Legal Cooperation among Member States*, **Nikolay MARIN**, “Neofit Rilski”, South-West University Varna, Bulgaria

13. *Carrier Liability Forms in the Contract of International Rail Freight*, **Emilian NEAGU**, “Constantin Brâncoveanu” University, Pitești
14. *The Reflection of the Right to Good Administration in the Romanian Legislation*, **Vasilica NEGRUȚ**, “Danubius” University, Galați
15. *Aspects regarding the Legislative Delegation in the Romanian Administrative Practice*, **Alina-Livia NICU**, University of Craiova
16. *The Role of Software Packages in Ensuring Efficient Risk Management Process during Project Implementation*, **Nicolae-Alexandru PANĂ**, Ministry of Administration and Interior, Bucharest
17. *The Exemption of Military Command Acts from the Control of the Administrative Courts of Legal Department*, **Licuța PETRIA**, “Constantin Brâncoveanu” University, Rm.Valcea
18. *The Electric Public Procurements System (EPRS)*, **Gabriela Getty POPESCU**, “Dunărea de Jos” University, Galați,
19. *The Judicial Authority Concept Nowadays*, **Marin POPESCU**, “Dunărea de Jos” University, Galați
20. *Job Analysis in Ministry of Administration and Interior*, **Octavian-Adrian POPESCU**, Ministry of Administration and Interior, Bucharest
21. *Theoretical and Practical Aspects regarding the Decree-Law No.118/1990, Republished*, **Oana ȘARAMET**, **Cătălina Georgeta MATEI**, Transilvania University, Brașov
22. *Achieving Effective Knowledge Sharing by Bridging Knowledge Islands: Lessons from Ernst & Young Case*, **Enrico SCARSO\***, **Ettore BOLISANI\***, **Antonella PADOVA\*\***, \*University of Padua, Vicenza, Italy, \*\*Ernst & Young, Milan, Italy
23. *The Juridical Nature of Expropriation for the Public Utility Cause*, **Alexandru STOIAN**, “Nicolae Bălcescu” Land Forces Academy, Sibiu
24. *Penal Responsibility of the Legal Person, a Desideratum of the European Integration*, **Vasile STOICA**, S.R.C.F., Galați
25. *Patrimonial Liability Operating in Public Administration*, **Vasile TABĂRĂ**, “Lucian Blaga” University of Sibiu

## **SECTION 5: TECHNICAL SCIENCES AND MILITARY TECHNOLOGY**

### **Subsection 1: Applied Fundamental and Technical Sciences**

**Chairpersons:** Prof.Eng. Ioan CURTU, PhD  
Prof.Eng. Vasile NĂSTĂSESCU, PhD  
Prof.Eng. Constantin ROTARU, PhD  
Prof.Eng. Gheorghe SAMOILESCU, PhD  
Prof.Eng. Octavian BOGDAN, PhD

**Assistant:** Asst.Prof. Emil TEODORU

**Place:** Computer Science Laboratory, bldg J2, 1<sup>st</sup> floor, room 44

1. *Accuracy of Vectorization Algorithms*, **Adrian ALEXEI**, Military Equipment and Technologies Research Agency, Clinceni
2. *The Servo-Amplifier with Hydraulic Reversibility*, **Beazit ALI, Ligia-Adriana SPORIȘ**, “Mircea cel Bătrân” Naval Academy, Constanța
3. *Finite Elements Real Case Study of a Solid Propellant Rocket Engine Internal Pressure and Performance Variations under Various Nozzle Diameter Change*, **Adrian ARGHIROPOL, Constantin ROTARU**, Military Technical Academy, Bucharest
4. *Some Interpolation Operators on Triangle*, **Alina BABOȘ**, “Nicolae Bălcescu” Land Forces Academy, Sibiu
5. *Comparative Study of Electromagnetic Field Level around Wlan Access Points by Using Swept and Real-Time Spectrum Analyzers*, **Paul BECHET, Simona MICLAUȘ**, “Nicolae Bălcescu” Land Forces Academy, Sibiu
6. *Four Terminal Floating Nullors Impedance Generalized Converters*, **Octavian-Ioan BOGDAN**, “Nicolae Bălcescu” Land Forces Academy, Sibiu
7. *A Physical Model of OHN3MF Steel*, **Marian BUNEA\***, **Gonçalves COELHO\*\***, **Victor GHIZDAVU\***, \*Military Technical Academy, Bucharest, \*\*Universidade Nova de Lisboa, Lisboa, Portugal
8. *Design of a Complex Weapon System with PLM*, **Daniela CĂRUȚAȘU**, “Nicolae Bălcescu” Land Forces Academy, Sibiu
9. *Approximate Solving of the Fredholm Integral Equation of Second Kind*, **Daniela COSMA**, “Nicolae Bălcescu” Land Forces Academy, Sibiu
10. *Dynamical Behaviour of Woven Composite Materials Used to Attenuate the Noise Level*, **Ioan CURTU\***, **Mariana Domnica STANCIU\***, **Vasile CIOFOAIA\***, **Janos TIMAR\***, **Raimond GRIMBERG\*\***, **Călin ITU\***,

\*Transilvania University of Braşov, \*\*National Institute of Research & Development for Technical Physics of Iaşi

11. *A New Mathematical Model for Composite Plates*, **Ion FUIOREA\***, **Dumitriţa GABOR\***, **Iuliana SPRINTU\*\***, \*Institute for Theoretical & Experimental Analysis of Aeronautical Structures, Bucharest, \*\*Military Technical Academy, Bucharest
12. *Numeric Modelling and Experimental Research of the Projectile and Armour's Impact Phenomenon*, **Florin ILIE**, "Nicolae Bălcescu" Land Forces Academy, Sibiu
13. *Research Concerning the Oscillations of the Weapons Systems Barrels*, **Cristian-Emil MOLDOVEANU**, **Pamfil ŞOMOIAG**, **Viorel-Cătălin TUDOR**, **Ioan VEDINAŞ**, Military Technical Academy, Bucharest
14. *Upon the Influence of Characteristics Parameters and Material Model Constants, in SPH Analysis*, **Vasile NĂSTĂSESCU\***, **Cristian BARBU\***, **Ghiţă BÂRSAN\*\***, \*Military Technical Academy, Bucharest, \*\*\*"Nicolae Bălcescu" Land Forces Academy, Sibiu
15. *Variation Law of the Piston Displacement in the Accurate Kinematics Theory of the Axial Piston Pumps with the Motion Transmitting by Connecting Rods*, **Simion PAREPA**, Petroleum-Gas University of Ploieşti
16. *Elasticity of Some Kinematical Elements Belonging to a Structure with Cylindrical Gear Train*, **Simion PAREPA**, Petroleum-Gas University of Ploieşti
17. *Electrical Equipments. Provisionary Estimation of the Elastic Systems Taking into Account the Reliable Indices. Experimental Results on the Degradation Coefficient of the Elastic Systems Performances in Heating Conditions*, **Gheorghe RAȚIU**, "Nicolae Bălcescu" Land Forces Academy, Sibiu
18. *Energetic Damage Criterion for Elasto-Viscoplastic Materials in Finite Element Problems*, **Simona ROATEŞI**, Military Technical Academy, Bucharest
19. *Numerical Computation of Internal Flow for Turbojet Engine Combustion Chamber*, **Constantin ROTARU**, **Adrian ARGHIROPOL**, Military Technical Academy, Bucharest
20. *Research on Underwater Vehicles Models Moving at Low Speeds*, **Simona RUS\***, **Mircea DEGERATU\*\***, **Ionel POPA\*\*\***, **Florin ZAHARIA\*\*\*\***, \*Diving Centre Constanţa, \*\*Technical University of Civil Engineering Bucharest, \*\*\*"Mircea cel Bătrân" Naval Academy of Constanţa

21. *Study upon the Roughness of Straight Milled Surfaces Made of Black Alder*, **Emilia-Adela SALCA**, **Wilhelm LAURENZI**, **Mihaela POROJAN**, Transilvania University of Braşov
22. *The Numerical Simulation for the Determination of the Oscillations which Appear in Launching Site during Firing*, **Pamfil ŞOMOIAG**, **Cristian-Emil MOLDOVEANU**, Military Technical Academy, Bucharest
23. *The Simulation of the Electromagnetic Perturbations upon the Mass Circuits of a Digital Electronic Device*, **Alexandru SOTIR**, **Gheorghe SAMOILESCU**, **Vasile DOBREF**, **Ovidiu TĂRĂBUŢĂ**, **Ionuţ DATCU**, **Alexandru BACIU**, “Mircea cel Bătrân” Naval Academy, Constanţa
24. *The Digitized 3D Image Positioning of Objects and Persons in Built-Up Areas and Buildings*, **Petr STODOLA**, **Petr HRŮZA**, University of Defence, Brno, The Czech Republic
25. *Direct Digital Frequency Synthesizer with Cascaded Phase and Amplitude Error Feedback*, **Emil TEODORU**, “Nicolae Bălcescu”, Land Forces Academy Sibiu
26. *Mathematical Modelling of Projectile Motion inside Barrel of Artillery System*, **Vasile TITICA\*\***, **Doru SAFTA\*\***, **Ioan ION\*\***, **Mădălin BARBU\***, \*01557 M.U. Sibiu, \*\*Military Technical Academy, Bucharest
27. *A New Partial Sorting Algorithm*, **Paul VASILIU**, “Mircea cel Bătrân” Naval Academy, Constanţa
28. *A New Fast Sorting Algorithm*, **Paul VASILIU**, “Mircea cel Bătrân” Naval Academy, Constanţa
29. *Linear Filtering Problems*, **Ramona-Anamaria VASIU**, Romanian-German University of Sibiu

## **Subsection 2: Decision Support Systems and CBRN in Military Operations**

**Chairpersons:** Assoc.Prof.Eng. Jaromir MARES, PhD  
Prof. Claudiu Vasile KIFOR, PhD  
Prof. Eugen BOAMBĂ, PhD  
Prof.Eng. A.M. GONÇALVES COELHO, PhD  
Assoc.Prof. Dănuț MOȘTEANU, PhD

**Assistant:** Asst.Prof.Eng. Silviu PETRIȘOR, PhD

**Place:** *Statistical Processing Laboratory, bldg J2, 1<sup>st</sup> floor, room 46*

1. *Decisions in Risk and Uncertainty Conditions*, **Mihaela ALBICI, Delia TESELIOS, Cristina ȚENOVICI**, “Constantin Brâncoveanu” University, Pitești
2. *How Management Theory Must Work in the Logistics Systems of Industrial Organisations*, **Dorel BADEA, Silviu Mihai PETRIȘOR**, “Nicolae Bălcescu” Land Forces Academy, Sibiu
3. *Technological Risk Analysis. Impact Analysis for Industrial and Transport Accidents*, **Cosmin-Laurențiu BALCU\***, **Monica Oriana BEJENARU\***, **Ionela NISTOR\***, **Lucian TREFAȘ\***, **Dănuț MOȘTEANU\*\***, \*Inspectorate for Emergency Situations, Sibiu, \*\*“Nicolae Bălcescu” Land Forces Academy, Sibiu
4. *Zirconia Ceramics Obtained from Ultrafine Powders*, **Mariana BARBARESSO**, Military Equipment and Technologies Research Agency, Clinceni
5. *Mathematical Model for the Designing of the Graduate’s Building-Up Level of Using Competence Descriptors*, **Ghiță BÂRSAN\***, **Daniel CONSTANTIN\***, **Vasile NĂSTĂSESCU\*\***, \*\*“Nicolae Bălcescu” Land Forces Academy, Sibiu, \*\*Military Technical Academy, Bucharest
6. *Aspects regarding the Engineering Missions Support at Land Force Level*, **Eugen BOAMBĂ, Radu DUMITRU**, Military Technical Academy, Bucharest
7. *The Use of Optimization Techniques in Multidimensional Modeling and Analysis of Data Stored within the Interactive Information System of the Organization*, **Florian BUȘE, Gheorghe-Florin BUȘE**, University of Petroșani
8. *Decisional Process Optimization for Increasing the Management Efficiency of the Medium Size Organizations*, **Dorin CHIRCA**, Training Center for Communication and Information Technology, Sibiu
9. *Consideration regarding the Testing of the New Individual Decontaminating Kit Based on Solid Sorbents Exclusively*, **Georgiana CIOFRÎNGEANU\***, **Georgeta Livia MITRU\***, **Alexandru BOBEȘ – TUREAC\***, **Viorel ORDEANU\*\***, **Bogdan PATRINICHI\*\***, \*CBRN Defence and Ecology Scientific Research Centre (CCȘACBRNE), Bucharest, \*\*Army Medical Research Centre (CCȘMM), Bucharest

10. *Data Warehouses – Solutions for the Strategic Management Information Systems*, **Diana Elena CODREANU\***, **Ionela POPA\*\***, \*"Constantin Brâncoveanu" University, Pitești, \*\*Faculty of Management Marketing in Economic Affairs, Rm. Vâlcea
11. *Some Key Issues for the Improvement in the Formal Schooling of the Decision Proficiency in Engineering Design*, **A.M. GONÇALVES COELHO\***, **Gabriela NEȘTIAN\*\***, **Marian BUNEA\*\***, **António MOURÃO\***, \*Universidade Nova de Lisboa, Portugal, \*\*Ministry of Communications and Information Society, Bucharest
12. *Past, Present and Perspective Engineer Protection - Engineer Support Primary Element in Projecting the Engineer Forces*, **Radu DUMITRU**, **Eugen BOAMBĂ**, Military Technical Academy, Bucharest
13. *Study regarding Possibility of using Gun Propellants for Manufacturing of Industrial – Grade Explosives*, **Sorin EȘANU**, **Doru GOGA**, **Traian ROTARIU**, **Constantin ENACHE**, **Cristian MOLDER**, Military Technical Academy, Bucharest
14. *Streaming Systems for Information Dissemination within an Knowledge-Based Society*, **Gabriela FLORESCU**, **Valentin FLORESCU**, National Institute for Research and Development in Informatics, Bucharest
15. *Possibilities of Fuel Additives Usage for the Military Vehicles*, **Hana GAVENDOVÁ**, **Jaromír MAREŠ**, **Zbyšek KORECKI**, University of Defence, Brno, The Czech Republic
16. *Protected Ventilation System against Chemical and Biological Threats*, **Nicoleta GRIGORIU\***, **Gabriel EPURE\***, **Răzvan PETRE\***, **Georgeta MITRU\***, **Panaghia DELIU\***, **Constantin TOADER\***, **Cristian BARBARESSO\***, **Laurentiu SUFARU\***, **Adina IONESCU\*\***, **Andrei Ionel PĂTRUT\*\*\***, **Mihai Mihăilă ANDRES\*\*\*\***, \*CBRN Defence and Ecology Scientific Research Centre, Bucharest, \*\*National Institute of Research-Development Turbomotors COMOTI, Bucharest, \*\*\*S.C. Ecoproiect S.R.L., Bucharest, \*\*\*\*Military Technical Academy, Bucharest
17. *The Strategy of Implementing the Occupational Health and Safety Management System at Lucian Blaga University of Sibiu*, **Claudiu Vasile KIFOR**, **Constantin OPREAN**, **Vasile MOȚOC**, **Mihai Victor ZERBEȘ**, **Liliana Georgeta POPESCU**, "Lucian Blaga" University of Sibiu
18. *Training through Simulation, an Efficient Way of Preparing Forces for the Future Battlefield*, **Julian MARTIN**, "Carol I" National Defence University Bucharest
19. *Obtaining Volatile Pine and Fir Oils by Hydrodistillation Activated in a Microwave Field*, **Dănuț MOȘTEANU\***, **Cosmin-Laurențiu BALCU\*\***, **Lucian TREFAȘ\*\***, \*"Nicolae Bălcescu", Land Forces Academy, Sibiu, \*\*Inspectorate for Emergency Situations, Sibiu



20. *The Autonomous Remote System for Detection of Radioactive Materials and Toxic Substances in order to Prevent the Terrorism Attack with “Dirty Bombs”*, **Petru MURSA\***, **Maria POPA\***, **Narcisa CIONGIC\***, **Petrică PÎNZARIU\***, **Florin VOCHECI\***, **Alexandru KLUGER\*\***, **Marian CRĂCIUN\*\***, \*CBRN Defence and Ecology Scientific Research Centre (CCȘACBRNE), Bucharest, \*\*S.C. EXATEL S.R.L., Bucharest
21. *A Useful Instrument in Approaching Quality in Distance Education*, **Constantin OPREAN**, **Marilena BLAJ**, “Lucian Blaga” University of Sibiu
22. *Possibilities of QCM Detection Usage as a Quite New Base for Testing of Individual Protective Equipment Barrier Properties*, **Pavel OTŘÍŠAL**, **Stanislav FLORUS**, NBC Defence Institute of University of Defence, Vyškov, The Czech Republic
23. *Theoretical and Experimental Study of Secondary Works Made by the Propellant Combustion Gases during Firing*, **Valeriu PÂRVAN**, **Daniel ANTONIE**, Military Technical Academy, Bucharest
24. *The Parallel Algorithm for Pole Placement Problem in Optimal Control Systems*, **Ioan POPOVICIU**, Naval Academy “Mircea cel Bătrân”, Constanța
25. *Antibacterial Activity of Silver Nanoparticles Obtained by Electrochemical Synthesis*, **Daniela PRICOP**, **Marius ȘTEFAN**, **Marius MIHAȘAN**, **Lucian HRITCU**, **Radu OLARIU**, **Viorel MELNIG**, “Alexandru Ioan Cuza” University, Iași
26. *Vbied Countering Equipment*, **Alexandru ROGOZ**, **Victor MĂRGEAN**, **Aurica DUMITRESCU**, CBRN Defense and Ecology Scientific Reseach Center, Bucharest
27. *Public Transportation One Way to Achieve a Sustainable Transport*, **Elena SIMA**, Romanian-German University of Sibiu
28. *Alternative Fuels for Car Engines a Way to Reduce Pollution*, **Elena SIMA**, Romanian-German University of Sibiu
29. *Mutations that Take Place at the Level of the Processing, Assortment Structure and the Quality of the Food Products*, **Natalița Maria SPERDEA**, **Marieta STANCIU**, University of Craiova
30. *Experimental Researches on Attenuation Properties of Blast Wave through Perlite*, **Florin TÎMPLARU\***, **Adrian ROTARIU\*\***, **Eugen TRANĂ \*\***, **Liviu MATACHE\*\*\***, \*In Flight Research & Test Center, Craiova, \*\*Military Technical Academy, Bucharest, \*\*\*N.B.C. Defence and Ecology Scientific Research Center, Bucharest
31. *Business Intelligence Solutions for Decision – Makers*, **Ioana Andreea STĂNESCU\***, **Luminița GIURGIU\*\***, **Camelia DOGARU\*\*\***, \*Advenced Technology Systems, Târgoviște, \*\*\*“Nicolae Bălcescu” Land Forces Academy, Sibiu, \*\*\*Național Authortiy for Sciencific Research, Bucharest

32. *Present, Evolution and Nationwide Perspectives of the Stationary and Portable Dosimeters for Military Use*, **Tănase-Marian TUDOR**, Air Force Headquarters, Bucharest
33. *Poly(Amidhydroxyurethane) Coated Silver Nanoparticles Induced Memory Impairment by Increasing Brain Oxidative Stress*, **Laura URSU\***, **Lucian HRIȚCU\***, **M. ȘTEFAN\***, **M. MIHAȘAN\***, **Liliana TARTĂU\*\***, **Viorel MELNIG\***, \*\*“Alexandru Ioan Cuza” University, Iași, \*\*\*“Gr.T. Popa”, University of Medicine and Pharmacy Iași

### **Subsection 3: Advanced Military Technologies and Network Architectures**

**Chairpersons:** Prof. Eng. Ion FUIOREA, PhD  
Prof. Eng. Gheorghe OLARU, PhD  
Prof.Eng. Tudor PALADE, PhD  
Prof.Eng. Andrei POGÁNY, PhD  
Assoc.Prof.Eng. Luminița GIURGIU, PhD  
**Assistant:** Asst.Prof. Romana OANCEA  
**Place:** Computer Science Laboratory, bldg J2, 1<sup>st</sup> floor, room 45

1. *Sense and Avoid Strategies for Modern Unmanned Aerial Systems*, **Traian ANASTASIEI, Adrian MURARU, Nicolae NENCU**, “Henri Coandă”, Air Force Academy Braşov
2. *Considerations on the Measurement of 7 Perforated Propellant Grain Dimensions*, **Daniel ANTONIE, Valeriu PÂRVAN**, Military Technical Academy, Bucharest
3. *Designing a Layered Node Architecture to be Used in Wireless Sensor Networks*, **Cătălin BUJDEI, Sorin-Aurel MORARU, Delia UNGUREANU**, Transilvania University of Braşov
4. *Considerations on Light Armoured Vehicle Evaluation Methodologies*, **Daniela CĂRUȚAȘU\***, **Dan Paul BRÎNDAȘU\*\***, \**“Nicolae Bălcescu”*, Land Forces Academy, Sibiu, \*\**“Lucian Blaga”* University of Sibiu
5. *Design and Analysis of Simulation Experiments to Achieve a "Virtual Prototype" Armored Tank*, **Vasile CĂRUȚAȘU\***, **Marilena Aura DIN\*\***, \*\**“Nicolae Bălcescu”* Land Forces Academy, Sibiu, \*\**Romanian American* University of Bucharest
6. *The Use of Intelligent Agents in the Development of Mobile Applications*, **Marian Pompiliu CRISTESCU\***, **Corina Ioana CRISTESCU\*\***, **Laurențiu CIOVICĂ\*\*\***, \*\**“Lucian Blaga”* University of Sibiu, \*\**A.S.E.* București, \*\*\**“1 Decembrie 1918”* University of Alba Iulia
7. *Optimum Criteria for Distributed Applications*, **Corina Ioana CRISTESCU\***, **Marian Pompiliu CRISTESCU\*\***, **Ciprian CUCU\*\*\***, \**ESA* Bucharest, \*\**“Lucian Blaga”* University of Sibiu
8. *3D Topografic Mapping Based on Remote Sensing Satellite Data*, **Iulia Florentina DANA\***, **Vlad Gabriel OLTEANU\***, **Iulia Elena JIVANESCU\***, **Cristian MOISE\***, **Raluca MANEA\*\***, \**Romanian Space Agency*, Bucharest, \*\**Faculty of Land Reclamation and Environmental Engineering*, Bucharest
9. *Fractional Factorial Design Approach to Tactical and Technical Characteristics of a Tank-Type Armoured System*, **Marilena Aura DIN\***, **Vasile CĂRUȚAȘU\*\***, \**American University of Bucharest*, \*\*\**“Nicolae Bălcescu”* Land Forces Academy of Sibiu

10. *A Simulation Model to Produce a Great Power Electromagnetic Pulse by a Flux Compression Generator*, **Vasile DOBREF**, **Alexandru SOTIR**, “Mircea cel Bătrân”, Naval Academy, Constanța
11. *Failure Criteria for Composites in Light Aircraft Armour*, **Dumitrița GABOR**, **Ion FUIOREA**, Institute for Theoretical & Experimental Analysis of Aeronautical Structures, Bucharest
12. *Extension of the Utility of Tecnomatix Plant Simulation Software through the Simulation of the Morphologic Creative Method*, **Rareș Lucian MARIN**, “Lucian Blaga” University of Sibiu
13. *Using Geospatial Technologies to Elaborate the Digital Geomorphological Map of Romania 1:200.000 Scale*, **Cristian MOISE\***, **Alexandru BADEA\***, **Marcel TÖRÖK – OANCE\*\***, **Gabriel POPESCU\*\*\***, **Ionut SANDRIC\*\*\*\***, **Iulia Elena JIVANESCU\***, \*Romanian Space Agency, Bucharest, \*\*West University of Timisoara, \*\*\*University of Agronomic Science and Veterinary Medicine, Bucharest, \*\*\*\*ESRI Bucharest
14. *A Failure Modes and Effects Analysis of the Corrective Maintenance Process*, **Nicolae MORO\***, **Carmen SIMION\*\***, \* “Nicolae Bălcescu” Land Forces Academy of Sibiu, \*\* “Lucian Blaga” University of Sibiu
15. *Correlation between Recoil Alterations because of the Pressure Diminution out of Recoil Mechanism and the Number of the Shoted Projectiles and the Interpretation Depending on Physical Wear by the Shooting Fires of the Recoil System*, **Nicolae MORO\***, **Carmen SIMION\*\***, \* “Nicolae Bălcescu” Land Forces Academy Sibiu, \*\* “Lucian Blaga” University of Sibiu
16. *Satellite Image Improvement using Phase Information*, **Alina NISTORESCU**, Technical University, Cluj Napoca
17. *Considerations on Face Candidate Detection using Eye and Mouth Features*, **Romana OANCEA**, **Mircea POPA**, **Ștefan DEMETER**, **Marilena BLAJ**, **Florin MOLIE**, **Cristian MOLDER**, “Nicolae Bălcescu” Land Forces Academy, Sibiu
18. *Considerations regarding the Dynamic Analysis of a Floating Bridge*, **Gheorghe OLARU**, **Marin LUPOAE**, **Daniel CONSTANTIN**, **Florin EFTIMIE**, Military Technical Academy, Bucharest
19. *Experimental Research regarding the Dynamic Analysis of a Floating Bridge*, **Gheorghe OLARU**, **Marin LUPOAE**, **Daniel CONSTANTIN**, **Florin EFTIMIE**, Military Technical Academy, Bucharest
20. *Egnos Extension to Eastern Europe*, **Vlad Gabriel OLTEANU\***, **Alina RADUȚU\***, **Alexandru BADEA\***, **Ion NEDELICU\***, **Iulia DANA\***, **Daniela IORDAN\*\***, \*Romanian Space Agency (ROSA), Bucharest, \*\*Faculty of Land Reclamation and Environmental Engineering, Bucharest

21. *Improvement Possibilities of the Industrial Logistic Activities using Robotized Technologies*, **Silviu Mihai PETRIȘOR\***, **Vlad Andrei BÂRSAN\*\***, **Dorel BADEA\***, \*"Nicolae Bălcescu" Land Forces Academy, Sibiu, \*\*"Lucian Blaga" University of Sibiu
22. *Coherence Bandwidth Estimation for Wideband and UWB Mimo Signals*, **Ana-Maria PISTEA**, **Tudor PALADE**, **Ancuța MOLDOVAN**, Technical University of Cluj Napoca
23. *Constructive Solutions to Reopen the Damaged Military Bridges for Traffic*, **Andrei POGANY**, "Politehnica" University of Timisoara
24. *Sources of Radiating Electromagnetic Field through Electrostatic Discharges. Computing the Discharge Current*, **Gheorghe SAMOILESCU\***, **Adelina SAMOILESCU\*\***, **Serghei RADU\*\*\***, \*Mircea cel Bătrân Naval Academy, Constanța, \*\*Polytechnic University of Bucharest, \*\*\*Zodiac Company, Constanța
25. *Particularities regarding the Launching System of Ahead Projectiles*, **Alin-Constantin SAVA**, **Tudor CHERECHEȘ**, **Ioan VEDINAȘ**, **Cătălin IONESCU**, **Liviu PITICARI**, Military Technical Academy, Bucharest
26. *Considerations on Terminal Ballistics of Ahead Type Projectiles*, **Alin-Constantin SAVA**, **Doru SAFTA**, **Ioan Ion**, **Cătălin IONESCU**, Military Technical Academy, Bucharest
27. *Sensor Deployment for Hierarchical Organization in Wireless Sensor Networks*, **Mamidanna SHREEDHAR**, Department of Computer Science, MM University, Nepal
28. *Uav Flight Path Conceptual Design*, **Róbert SZABOLCSI**, "Zrínyi Miklós" National Defense University, Hungary
29. *Advanced Method Used to Measure Noise Levels of Industrial Areas with Potential in Military Applications*, **Janos TIMAR**, **Mariana Domnica STANCIU**, **Corneliu COFARU**, **Ioan Curtu**, **Daniela FLOREA**, **Dinu COVACIU**, Transilvania University of Brașov
30. *Experimental Research on the Influence of Superficial Treatments with Optical Radiation Impulses on the Microstructure of the Surfaces of Sintered Parts*, **Ioan VIRCA\***, **Vasile LAZĂR\*\***, \*"Nicolae Bălcescu" Land Forces Academy, Sibiu, \*\*S.C. Sinterom S.A. Cluj-Napoca

## SECTION 6: FOREIGN LANGUAGES

**Chairpersons:** Asst.Prof. Clementina MIHĂILESCU PhD  
Assoc.Prof. Marioara PATEȘAN, PhD  
Asst.Prof. Georgeta OBILIȘTEANU, PhD  
**Assistant:** Asst.Prof. Lucia PALEA, PhD  
**Place:** *English Classroom, bldg. D, 1<sup>st</sup> floor*

1. *Military Terms and Implications in Legal English*, **Simina BADEA**, University of Craiova
2. *Intercomprehension – A Case Study (1)*, **Alina BALAGIU**, **Delia LUNGU**, **Mariana BOERU**, “Mircea cel Bătrân” Naval Academy, Constanța
3. *The Role of Translation in Teaching Military Terminology*, **Simona BOȘTINĂ-BRATU**, “Nicolae Bălcescu” Land Forces Academy, Sibiu
4. *The Role of ICT in the Language Training: Qualitative Research*, **Ivana CECHOVA**, **Radek NEDOMA**, University of Defence, Brno, The Czech Republic
5. *A Backwash Study on ESP Evaluation*, **Daciana INDOLEAN**, Technical University, Cluj Napoca
6. *Behind Names*, **Ana ION**, **Ileana Sanda DRAGALINA**, **Livia RUS**, “Mircea cel Bătrân”, Naval Academy Constanța
7. *Training at European Level with the Support of the European Commission*, **Delia LUNGU**, **Mariana BOERU**, **Alina BALAGIU**, “Mircea cel Bătrân” Naval Academy, Constanța
8. *Buciu's Four Dimensions of Being and Russell's Theory of Prototypes*, **Clementina MIHĂILESCU\***, **Stela PLEȘA\*\***, \* “Lucian Blaga” University of Sibiu, \*\*Secondary School nr. 1, Sibiu
9. *Effective Methods in Military English Teaching*, **Brândușa-Oana NICULESCU\***, **Isabela Anda DRAGOMIR\*\***, \* “Nicolae Bălcescu” Land Forces Academy, Sibiu, \*\*The Main Foreign Language Centre of the Land Forces Headquarters, Sibiu
10. *English for Specific Purposes*, **Georgeta OBILIȘTEANU\***, **Adriana VINȚEAN\*\***, \* “Nicolae Bălcescu” Land Forces Academy, Sibiu, \*\* “Lucian Blaga” University of Sibiu
11. *The Role of Communication among Multinational Forces*, **Marioara PATEȘAN\***, **Camelia ALIBEC\*\***, \* “Nicolae Bălcescu” Land Forces Academy, Sibiu, \*\* “Mircea cel Bătrân” Naval Academy, Constanța

12. *The Debate – a Real Life Situation in the Military Classroom*, **Oana Alida POȘA, Isabela Anda DRAGOMIR**, The Main Foreign Language Centre of the Land Forces Headquarters, Sibiu
13. *New Developments and Trends in Language Testing*, **Dana ZECHIA**, “Mircea cel Bătrân” Naval Academy, Constanța
14. *Reflection of Communicative Skills on Military Professionals’ Training at the University of Defence*, **Dana ZERZÁNOVÁ, Ivana ČECHOVÁ, Jana BERÁNKOVÁ, Radka MOCOVÁ**, University of Defence, Brno, The Czech Republic

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